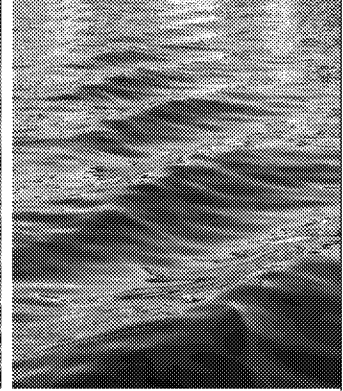
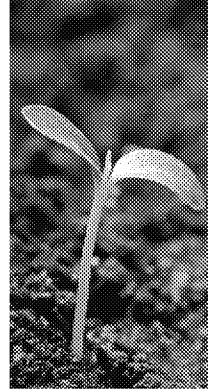


## Superfund Priority "Anaconda"

April 2018

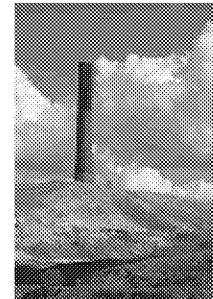


## Site Overview

- Anaconda Company Smelter was placed on the NPL in 1983.
- Cleanup began in 1986.
- The site covers over 300 square miles and initially divided into 16 Operable Units (OUs) that have been combined into the following 5 active OUs\*:
  - OU 15 – Mill Creek. Former suburban community located adjacent and downwind of the smelter and impacted by high arsenic levels in soils and dust
  - OU 11 – Flue Dust. This by-product of copper smelting containing very high levels of metals and arsenic, stockpiled at nine locations in the East Anaconda Yards and on Smelter Hill
  - OU 7 – Old Works/East Anaconda Development Area (OW/EADA). Historic milling and smelting areas located immediately east of Anaconda, including former smelter properties conveyed from Atlantic Richfield to Anaconda-Deer Lodge County (ADLC) for redevelopment
  - OU 16 – Community Soils (CSOUS). Soils and dust within residential and commercial properties, including Anaconda, Opportunity, and adjacent rural areas within the site
  - OU 4 – Anaconda Regional Water, Waste & Soils (ARWW&S). All remaining waste areas, including the Anaconda Ponds, Opportunity Ponds, Slag and Smelter Hill as well as the adjacent 300 square miles of soil, surface and ground water impacted by the smelter

\*shown in the order that the record of decision (ROD) for the OU was signed

OU	Year Record of Decision Signed	
	Original	Amended
15	1987	
11	1994	
7	1994	
16	1999	2013
4	1999	2011



## Human Health Study Status

- The community requested that a health study be conducted in Anaconda.
- EPA has partnered with the Agency of Toxic Substances and Disease Registry and Montana Department of Public Health and Human Services and ADLC Health Department to conduct health study.
- Community listening sessions will be conducted in April to determine a needs assessment.
- Additional sessions will be conducted later in the year to discuss information gathered.
- Blood lead and urine arsenic data will be collected this summer/fall.
- Results of the health study and data collection will be presented in a report in 2019.



## School Sampling Status

- Sampling of school soils and dust was requested by the Anaconda School District and County.
- Over spring break 2018, EPA conducted interior dust sampling at Head Start, Lincoln elementary, Moodry middle, Anaconda high, Memorial gym, and administration building.
- Other school properties will be sampled later this spring.
- Atlantic Richfield will conduct soils sampling later this spring.
- Results will be available by the end of this school year.
- Any cleanup required will be conducted summer 2018 prior to school starting in the fall.



Interior dust sampling

## Christian v. Atlantic Richfield Co

- Lawsuit by homeowners seeking restoration damages under Montana law
- Proceeds received must be used to restore the property
- ~~• Montana Supreme Court granted writ of supervisory control to decide if remedies other than those developed under CERCLA could be implemented~~
- Montana Supreme Court found that CERCLA did not bar application of Montana's state restoration law and the case will proceed to trial
- EPA has significant concerns that the landowners' proposed response actions could interfere with EPA's remedy and potentially exacerbate contamination. EPA has undertaken an ongoing and extensive process to select remedies protective of human health and the environment, and will continue to monitor those remedies every five years after completion to ensure they remain protective.
- ~~• Prohibition on cleanup at site where cleanup is already occurring under CERCLA prohibits parties from taking response actions at Superfund sites without EPA's authorization.~~
- Impact of performing work on a CERCLA site could make landowners financially responsible for any damage to the existing remedy and for the management and disposal of contaminated media (e.g., soils).
- It is important landowners fully understand the implications of their actions

## Cleanup Accomplishments

Since cleanup began in 1986, EPA has overseen numerous removal and remedial cleanup actions

- 10 million cubic yards of tailings, mine wastes, and contaminated soils have been removed and placed in engineered repositories.
- 500 million cubic yards of waste over 5000 acres have been capped in place.
- 12,500 acres of land have been reclaimed
- 140,000 feet of engineered storm water controls have been built
- 30,000 feet of stream floodplain have been stabilized or restored
- 800 acres of wetlands have been created or restored
- 800 residential and commercial properties have been cleaned up
- All domestic wells and water supplies within the site have been tested and replaced or treated if necessary

||

Revegetation has been so successful that motorists have complained about elk crossing where they have not been before.

## Cleanup Status for Each OU

- **OU 15 – Mill Creek.** Relocation, home demolition, and site stabilization were completed in 1988 under a consent decree. This property was further reclaimed and conveyed to ADLC in 1994. The site is currently being redeveloped by ADLC.
- **OU 11 – Flue Dust.** Flue dust treatment and disposal was completed in 1994 under a consent decree. Atlantic Richfield continues to operation and maintain the repository.
- **OU 7 – Old Works/East Anaconda Development Area.** Capping of the waste areas was completed by 2000, including the construction of the Old Works Golf Course. An additional 900 acres have been cleaned up with nearly 20 new business developments. Atlantic Richfield continues to work with landowners to cleanup the three remaining parcels in this area. A consent decree will direct the long-term management of this area.
- **OU 16 – Community Soils.** The original remedy (cleanup of arsenic in soils and railroad beds) was completed in 2010. Atlantic Richfield continues to implement the current soil and dust cleanup for lead within the site. A consent decree will direct the implementation of institutional controls.
- **OU 4 – Anaconda Regional Water Waste & Soils.** Cleanup has been completed on over 12,500 acres. Atlantic Richfield continues to implement the remaining cleanup of waste areas and upland soils. A consent decree will direct the final cleanup actions and possible waiver of State surface water standards as well as the long-term monitoring and management of the site.

## Remaining Cleanup Work

- **OU 15 – Mill Creek.** Cleanup is complete. Anaconda-Deer Lodge County is working with developers to reuse the site.
- **OU 11 – Flue Dust.** Cleanup is complete. Atlantic Richfield is developing a plan to minimize and manage leachate generated from the repository.
- **OU 7 – Old Works/East Anaconda Development Area.** Atlantic Richfield is working with landowners to cleanup the remaining three parcels. A consent decree or UAO will direct the long-term management and redevelopment of this area.
- **OU 16 – Community Soils.** Atlantic Richfield continues to implement the current residential cleanup of lead in soil and dust at the site. A consent decree or UAO will direct the completion of remaining residential and commercial cleanup and implementation of institutional controls.
- **OU 4 – Anaconda Regional Water Waste & Soils.** Atlantic Richfield continues to implement the current cleanup of waste areas and upland soils at the site. A consent decree or UAO will direct the final cleanup actions and possible waiver of State surface water standards as well as the long-term monitoring and management of the site.



**Ex. 7(A)**

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## Community Engagement and Collaboration

- EPA Regional Administrator has visited Anaconda on multiple occasions to listen to the community
- How can stakeholders and the community participate?
  - Technical Assistance Group
  - Superfund Task Force
  - Site work groups (public health study)
  - Participate/review and comment on decision documents
  - Contact Robert Moler, Community Involvement Coordinator
  - Contact Charlie Coleman, Remedial Project Manager
- Website information
  - <https://cumulis.epa.gov/supercpad/cursites/csinfo.cfm?id=0800416>

## Finishing up....

EPA is establishing the goal of completing major construction for the Anaconda Smelter Site no later than the end of 2025.

- It is our goal to have either a CD or UAO by the end of this year to meet that goal
- What is your view of; establishing a 2025 delisting goal and having a CD or UAO to by the end of this year to meet that goal
- We will need to establish a deadline for CD negotiations
- EPA will need the assistance of the state, city-county government, potentially responsible parties, and the community in order to reach a CD
- Under a UAO we will work with all parties but issue orders unilaterally consistent with the ROD

